



Substitute for form 1449A-B/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Complete if Known	
		Application Number	10/092,011
		Filing Date	March 5, 2002
		First Named Inventor	Shuck
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	100/12710

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
an	AA	4,390,403		Batchelder	06-28-1983
	AB	4,908,112		Pace	03-13-1990
	AC	5,126,022		Soane et al.	06-30-1992
	AD	5,498,392		Wilding et al.	03-12-1996
	AE	5,571,410		Swedberg et al.	11-05-1996
	AF	5,585,069		Zanzucchi et al.	12-17-1996
	AG	5,593,838		Zanzucchi et al.	01-14-1997
	AH	5,603,351		Cherukuri et al.	02-18-1997
	AI	5,635,358		Wilding et al.	06-03-1997
	AJ	5,637,469		Wilding et al.	06-10-1997
	AK	5,699,157		Parce	12-16-1997
	AL	5,716,852		Yager et al.	02-10-1998
	AM	5,750,015		Soane et al.	05-12-1998
	AN	5,779,868		Parce et al.	07-14-1998
	AO	5,800,690		Chow et al.	09-01-1998
	AP	5,858,187		Ramsey et al.	01-12-1999
	AQ	5,858,195		Ramsey	01-12-1999
	AR	5,869,004		Parce et al.	02-09-1999
	AS	5,876,675		Kennedy	03-02-1999
	AT	5,880,071		Parce et al.	03-09-1999
	AU	5,882,465		McReynolds	03-16-1999
	AV	5,885,470		Parce et al.	03-23-1999
	AW	5,932,100		Yager et al.	08-03-1999
	AX	5,942,443		Parce et al.	08-24-1999
	AY	5,948,227		Dubrow	09-07-1999
an	AZ	5,955,028		Chow	09-21-1999
an	BA	5,958,694		Nikiforov	09-28-1999
Examiner Signature	<i>an</i>			Date Considered	3/2/05

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<i>an</i>	BB	5,959,291		Jensen	09-28-1999	
	BC	5,965,410		Chow et al.	10-12-1999	
	BD	5,976,336		Dubrow et al.	11-02-1999	
	BE	5,989,402		Chow et al.	11-23-1999	
	BF	6,001,229		Ramsey	12-14-1999	
	BG	6,001,231		Kopf-Sill	12-14-1999	
	BH	6,012,902		Parce	01-11-2000	
	BI	6,042,709		Parce et al.	03-28-2000	
	BJ	6,062,261		Jacobson et al.	05-16-2000	
	BK	6,074,725		Kennedy	06-13-2000	
	BL	6,100,541		Nagle et al.	08-08-2000	
	BM	6,120,666		Jacobson et al.	09-19-2000	
	BN	6,149,787		Chow et al.	11-21-2000	
	BO	6,221,226		Kopf-Sill	04-24-2001	
<i>an</i>	BP	6,235,471		Knapp et al.	05-22-2001	
<i>an</i>	BQ	6,280,589		Manz et al.	08-28-2001	

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
<i>an</i>	BR	WO	9604547		Lockheed Martin	02-15-1996		
<i>an</i>	BS	WO	9702357		Affymetrix, Inc.	01-23-1997		
<i>an</i>	BT	WO	9845481		Caliper	10-15-1998		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T
<i>M</i>	BU	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <i>Anal. Chem.</i> (1994) 66:1792-1798				
<i>an</i>	BV	EFFENHAUSER, C.S. et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <i>Anal. Chem.</i> (1993) 65: 2637-2642				

Examiner Signature	<i>an</i>	Date Considered	3/2/05
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(Modified) PTO/SB/08A-B (10-96)  
Approved for use through 10/31/99. OMB 0651-0031

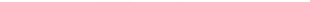
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M	BW	EFFENHAUSER, C.S. et al., "High Speed Separation of Anitsense Oligonucleotides on a Micromachined Capillary Electrophoresis Device," <u>Anal. Chem.</u> (1994) 66: 2949-2953
1	BX	EFFENHAUSER, C.S. et al., "Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," <u>Anal. Chem.</u> (1997) 69: 3451-3457
	BY	FAN, Z.H. et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> (1994) 66: 177-184
	BZ	FISTER, J.C. III et al., "Counting Single Chromophore Molecules for Ultrasensitive Analysis and Separations on Microchip Devices," <u>Anal. Chem.</u> (1998) 70: 431-437
	CA	HADD, A.G. et al., "Microfluidic Assays of Acetylcholinesterase," <u>Anal. Chem.</u> (1999) 71: 5206-5212
	CB	HARRISON, J. et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> (1992) 64: 1926-1932
	CC	HARRISON, J. et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors*," <u>Sensors and Actuators B</u> (1993) 10: 107-116
	CD	HARRISON, J. et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <u>Science</u> (1993) 261: 895-897
	CE	HARRISON, D.J. et al., "Integrated Electrophoresis Systems for Biochemical Analyses," <u>Solid-State Sensor and Actuator Workshop</u> (1994) 21-24
	CF	JACOBSON, S.C. et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices," <u>Anal. Chem.</u> (1994) 66:1107-1113
	CG	JACOBSON, S.C. et al., "High-Speed Separations on a Microchip," <u>Anal. Chem.</u> (1994) 66: 1114-1118
	CH	JACOBSON, S.C. et al., "Open Channel Electrochromatography on a Microchip," <u>Anal. Chem.</u> (1994) 66: 2369-2373
	CI	JACOBSON, S.C. et al., "Precolumn Reactions with Electrophoretic Analysis Integrated on a Microchip," <u>Anal. Chem.</u> (1994) 66: 4127-4132
	CJ	JACOBSON, S.C. et al., "Microchip Electrophoresis with Sample Stacking," <u>Electrophoresis</u> (1995) 16: 481-486
CK	CK	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> (1995) 67: 2059-2063
M	CL	JACOBSON, S.C. et al., "Integrated Microdevice for DNA Restriction Fragment Analysis," <u>Anal. Chem.</u> (1996) 68: 720-723

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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right; padding: 5px;">REMARKS</td> <td style="width: 90%; padding: 5px;">JACOBSON, S.C. et al., "Electrokinetic Focusing in Microfabricated Channel Structures," <u>Anal. Chem.</u> (1997) 69: 3212-3217</td> </tr> <tr> <td style="text-align: right; padding: 5px;">CM</td> <td style="padding: 5px;">JACOBSON, S.C. et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," <u>Anal. 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DC	WOOLLEY, A.T. et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," <u>Proc. Natl. Acad. Sci. USA</u> (1994) 91:11348-11352
DD	WOOLLEY, A.T. et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device," <u>Anal. Chem.</u> (1996) 68: 4081-4086
DE	WOOLLEY, A.T. et al., "High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," <u>Anal. Chem.</u> (1997) 69:2181-2186
DF	WOOLLEY, A.T. et al., "Capillary Electrophoresis Chips with Integrated Electrochemical Detection," <u>Anal. Chem.</u> (1998) 70: 684-688
DG	ZHANG, B. et al., "Microfabricated Devices for Capillary Electrophoresis-Electrospray Mass Spectrometry," <u>Anal. Chem.</u> (1999) 71:3258-3264

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